

GSP 5

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A. General Description

Use this procedure to sample concrete admixtures.

The [Office of Materials and Research](#) maintains a list of approved sources of air-entraining admixtures ([QPL 13](#)) and retarder, water reducer and high-range water reducer admixtures ([QPL 14](#)) with the manufacturer's name, the trade name and type. Before using an admixture:

- Thoroughly familiarize yourself with the actual admixture to be used.
- Determine its strength and the manufacturer's recommendation for use.

1. Admixtures from Approved Sources

Before using an admixture from an approved source:

- a. Ensure that the material is not contaminated.
- b. Verify that the admixture is identified as the material on [QPL 13](#) or [QPL 14](#).
- c. Admixture may be used without sampling or pre-testing.

2. Admixtures from Unapproved Sources

Before using an unapproved admixture, take samples as follows:

- a. For liquid admixtures:
 - 1) Stir the material thoroughly.
 - 2) Take a 1 qt (1 L) sample and place the admixture in a clean container.
- b. For powdered admixtures:
 - 1) Mix the powder with water in the prescribed proportions.
 - 2) Place a quart (liter) of the mixed solution in a clean container.
- c. Use Form 170 to record the sample information.
- d. Submit the sample directly to the [Office of Materials and Research](#) at least 2 weeks before use.
- e. Record the test results of admixtures on Form 168.